Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/08/2015 09:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125810	0	3.51	125647	3.55
Blue	F	SSC	125000	125863	0	4.29	126873	4.19
Blue	E	FITC	17998	17244	-5	3.05	971	8.74
Blue	D	PE	23234	22699	-3	2.64	1023	7.78
Blue	B	PerCP-Cy5-5	69571	68980	-1	3.21	1819	12.55
Blue	A	PE-Cy7	77815	77773	-1	4.18	1024	23.15
Red	C	APC	65936	65891	-1	2.52	3715	7.88
Red	A	APC-Cy7	100669	100578	-1	2.56	1991	7.60
Violet	B	V450	10405	10049	-4	4.44	626	8.72
Violet	A	V500	47250	46448	-2	4.14	2627	6.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19745	14.16	592	13	N/A	N/A	Pass
Blue	F	SSC	62773	3.17	505	16	N/A	N/A	Pass
Blue	E	FITC	106	33.32	520	5	0.0273	54	Pass
Blue	D	PE	212	23.32	513	6	0.1968	141	Pass
Blue	B	PerCP-Cy5-5	219	37.06	598	8	0.0124	0	Pass
Blue	A	PE-Cy7	76	92.66	654	8	0.0173	13	Pass
Red	C	APC	346	25.19	578	0	0.0225	0	Pass
Red	A	APC-Cy7	126	36.41	559	0	0.0052	797	Pass
Violet	B	V450	66	46.13	462	12	0.0473	2490	Pass
Violet	A	V500	171	24.28	502	14	0.0138	646	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.39	-31.27	0.74
Blue	20.48	16.35 - 24.53	1.27	1.00 - 1.50	0.00	0.00	1.19
Red	16.81	13.07 - 19.61	N/A	N/A	31.77	32.15	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 9909

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments